

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Ann M. WOLLRATH et al

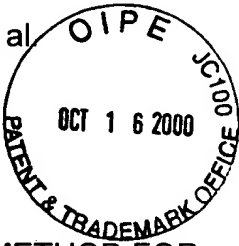
Serial No.: 08/636,706

Filed: April 23, 1996

For: SYSTEM AND METHOD FOR
FACILITATING DYNAMIC
LOADING OF "STUB"
INFORMATION TO ENABLE A
PROGRAM OPERATING IN
ONE ADDRESS SPACE TO
INVOKE PROCESSING OF A
REMOTE METHOD OR
PROCEDURE IN ANOTHER
ADDRESS SPACE

Group Art Unit: 2755

Examiner: P. Caldwell



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Assistant Commissioner for Patents
Washington, DC 20231

Sir:

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(c)

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(c), applicants bring to the attention of the Examiner the documents listed on the attached PTO 1449. This Information Disclosure Statement is being filed after the events recited in Section 1.97(b) but, to the undersigned's knowledge, before the mailing date of either a Final Action or a Notice of Allowance. Under the provisions of 37 C.F.R. § 1.97(c), this Information Disclosure Statement is accompanied by a fee of \$240.00 as specified by Section 1.17(p)].

Copies of the listed documents are attached.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claims in the application and applicants determine that the cited documents do not constitute "prior art" under United States law, applicants reserve the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

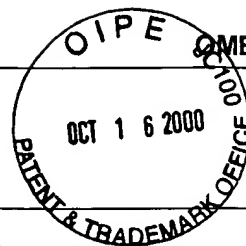
Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

Dated: October 16, 2000

By: Walter A. Berkowitz Reg. No. 24,916
for Jeffrey A. Berkowitz
Reg. No. 36,743

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OMB No. 0651-0011

Atty. Docket No. 06502.0299-00000

Serial No. 636,706/08

Applicant Ann M. WOLLRATH et al.

Filing Date April 23, 1996

Group 2755

U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
	US4,491,946	01/01/1985	Kryskow, Jr. et al.			
	US4,713,806	12/15/1987	Oberlander et al.			
	US4,809,160	02/28/1989	Mahon et al.			
	US4,823,122	04/18/1989	Mann et al.			
	US4,939,638	07/03/1990	Stephenson et al.			
	US4,956,773	09/11/1990	Saito et al.			
	US5,088,036	02/11/1992	Ellis et al.			
	US5,109,486	04/28/1992	Seymour			
	US5,187,787	02/16/1993	Skeen et al.			
	US5,257,369	10/26/1993	Skeen et al.			
	US5,293,614	03/08/1994	Ferguson et al.			
	US5,297,283	03/22/1994	Kelly, Jr. et al.			
	US5,311,591	05/10/1994	Fischer			
	US5,339,435	08/16/1994	Lubkin et al.			
	US5,386,568	01/31/1995	Wold et al.			
	US5,390,328	02/14/1995	Frey et al.			
	US5,423,042	06/06/1995	Jalili et al.			
	US5,440,744	08/08/1995	Jacobson et al.			
	US5,448,740	09/05/1995	Kiri et al.			

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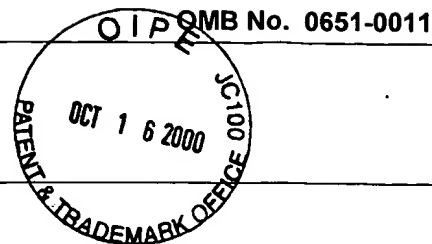
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	US5,455,952	10/03/1995	Gjovaag			
	US5,471,629	11/28/1995	Risch			
	US5,475,792	12/12/1995	Stanford et al.			
	US5,475,817	12/12/1995	Waldo et al.			
	US5,481,721	01/02/1996	Serlet et al.			
	US5,504,921	04/02/1996	Dev et al.			
	US5,524,244	06/04/1996	Robinson et al.			
	US5,553,282	09/03/1996	Parrish et al.			
	US5,555,367	09/10/1996	Premarlani et al.			
	US5,557,798	09/17/1996	Skeen et al.			
	US5,560,003	09/24/1996	Nilsen et al.			
	US5,561,785	10/01/1996	Blandy et al.			
	US5,577,231	11/19/1996	Scalzi et al.			
	US5,603,031	02/11/1997	White et al.			
	US5,617,537	04/01/1997	Yamada et al.			
	US5,628,005	05/06/1997	Hurvig			
	US5,640,564	06/17/1997	Hamilton et al.			
	US5,644,768	07/01/1997	Periwal et al.			
	US5,652,888	07/29/1997	Burgess			
	US5,655,148	08/05/1997	Richman et al.			
	US5,659,751	08/19/1997	Heninger			

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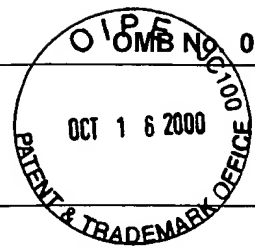
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	US5,671,225	09/23/1997	Hooper et al.			
	US5,680,573	10/21/1997	Rubin et al.			
	US5,680,617	10/21/1997	Gough et al.			
	US5,684,955	11/04/1997	Meyer et al.			
	US5,689,709	11/18/1997	Corbett et al.			
	US5,724,588	03/03/1998	Hill et al.			
	US5,737,607	04/07/1998	Hamilton et al.			
	US5,745,695	04/28/1998	Gilchrist et al.			
	US5,745,703	04/28/1998	Cejtin et al.			
	US5,754,849	05/19/1998	Dyer et al.			
	US5,761,656	06/02/1998	Ben-Shachar			
	US5,774,551	06/30/1998	Wu et al.			
	US5,778,228	07/07/1998	Wei			
	US5,790,548	08/04/1998	Sistanizadeh et al.			
	US5,815,711	09/29/1998	Sakamoto et al.			
	US5,829,022	10/27/1998	Watanabe et al.			
	US5,832,529	11/03/1998	Wollrath et al.			
	US5,842,018	11/24/1998	Atkinson et al.			
	US5,844,553	12/01/1998	Hao et al.			
	US5,845,129	12/01/1998	Wendorf et al.			
	US5,860,153	01/12/1999	Matena et al.			

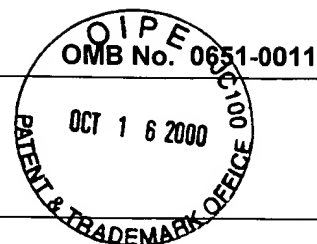
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U.S. PATENT DOCUMENTS

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	US5,872,928	02/16/1999	Lewis et al.			
	US5,933,497	08/03/1999	Beetcher et al.			
	US5,946,485	08/31/1999	Weeren et al.			
	US5,966,531	10/12/1999	Skeen et al.			
	US6,003,763	12/21/1999	Gallagher et al.			

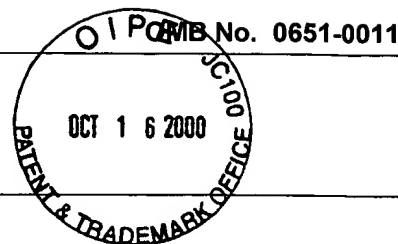
FOREIGN PATENT DOCUMENTS

Examiner Initial*	Document Number	Date	Country	Class	Sub Class	Translation Yes or No
	EP0 300 516 A2	01/25/1989	EPO			
	EP0 351 536 A3	01/24/1990	EPO			
	EP0 384 339 A3	08/29/1990	EPO			
	EP0 472 874 A1	03/04/1992	EPO			
	EP0 474 340 A2	03/11/1992	EPO			
	EP0 555 997 A2	08/18/1993	EPO			
	EP0 565 849 A2	10/20/1993	EPO			
	EP0 569 195 A3	11/10/1993	EPO			
	EP0 625 750 A2	11/23/1994	EPO			
	EP0 635 792 A2	01/25/1995	EPO			Abstract
	EP0 651 328 A1	05/03/1995	EPO			
	EP0 660 231 A2	06/28/1995	EPO			

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Examiner Initial*	Document Number	Date	Country	Class	Sub Class	Translation Yes or No
	EP0 697 655 A2	02/21/1996	EPO			
	GB2 253 079 A	08/26/1992	UK			
	GB2 262 825 A	06/30/1993	UK			
	WO92/07335 A1	04/30/1992	PCT			
	WO92/09948 A1	06/11/1992	PCT			
	WO94/03855 A1	02/17/1994	PCT			
	WO96/03692 A1	02/08/1996	PCT			
	WO96/10787 A1	04/11/1996	PCT			
	WO96/18947 A1	06/20/1996	PCT			
	WO96/24099 A1	08/08/1996	PCT			

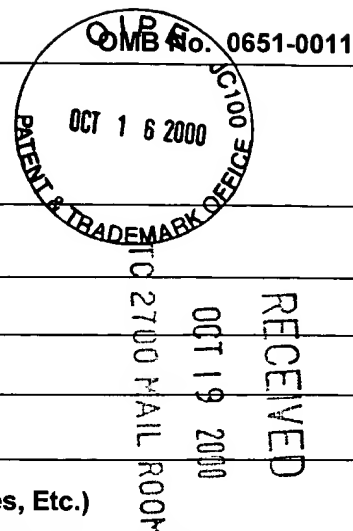
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	"Transparent Network Computing," Locus Computing Corporation, January 5, 1995
	Agha et al., "Actorspaces: An Open Distributed Programming Paradigm," University of Illinois, Report No. UIUCDCS-R-92-1766, Open Systems Laboratory TR No. 8, pp. 1-12, November 1992
	Ahmed et al., "A Program Building Tool for Parallel Applications," Yale University, pp. 1-23, December 1, 1993
	Anderson et al., "Persistent Linda: Linda + Transactions + Query Processing," Proceedings of the 13th Symposium on Fault Tolerant Systems, pp. 93-109, 1991
	Anonymous, "Change-Notification Service for Shared Files," IBM Technical Disclosure Bulletin, Vol. 36, No. 8, pages 77-82, XP002108713, New York, US, August 1993
	Anonymous, "Resource Preemption for Priority Scheduling," IBM TECHNICAL DISCLOSURE BULLETIN, vol. 16, no. 6, page 1931, XP002109435 New York, US, November 1973

Examiner	Date Considered:
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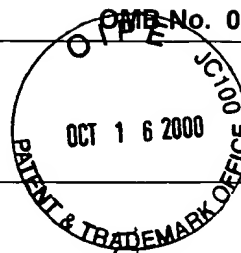
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Beech et al., "Object Databases as Generalizations of Relational Databases," Computer Standards & Interfaces, Vol. 13, Nos. 1/3, pp. 221-230, Amsterdam, NL, January 1991
	Bertino et al., "Object-Oriented Database Management Systems: Concepts and Issues," Computer, Vol. 24, No. 4, pp. 33-47, Los Alamitos, CA, April 1991
	Bevan et al., "An Efficient Reference Counting Solution To The Distributed Garbage Collection Problem," Parallel Computing, NL, Elsevier Science Publishers, Amsterdam, Vol. 9, No. 2, pages 179-192, January 1989
	Birrell et al., "Distributed Garbage Collection for Network Objects," Digital Systems Research Center, No. 116, pages 1-18, December 15, 1993
	Birrell et al., "Grapevine: An Exercise in Distributed Computing," Communications of the ACM, Vol. 25, No. 4, pp. 260-274, April 1982
	Birrell et al., "Implementing Remote Procedure Calls," ACM Transactions on Computer Systems, Vol. 2, No. 1, pp. 39-59, February 1984
	Birrell et al., "Network Objects," Operating Systems Review, 27(5), pp. 217-230, December 1993
	Cannon et al., "Adding Fault-Tolerant Transaction Processing to LINDA," Software-Practice and Experience, Vol. 24(5), pp. 449-466, May 1994
	Cardelli, "Obliq, A Lightweight Language For Network Objects," Digital SRC, pp. 1-37, November 5, 1993
	Carriero et al., "Distributed Data Structures in Linda," Principles of Programming Language, pp. 1-16, 1986
	Carriero et al., "Distributed Data Structures in Linda," Yale Research Report YALEU/DCS/RR-438, November 1985
	Chung et al., "A 'Tiny' Pascal Compiler: Part 1: The P-Code Interpreter," BYTE Publications, Inc., September 1978
	Chung et al., "A 'Tiny' Pascal Compiler: Part 2: The P-Compiler," BYTE Publications, Inc., October 1978
	Coulouris et al., "Distributed Systems Concepts and Designs," Second Edition, Addison-Wesley, 1994
	Dave et al., "Proxies, Application Interface, And Distributed Systems," Proceedings International Workshop On Object Orientation In Operating Systems, pages 212-220, September 24, 1992

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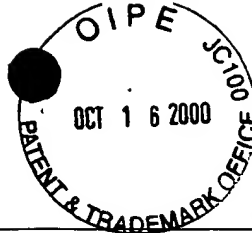
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Deux et al., "The O2 System," Communications Of The Association For Computing Machinery, Vol. 34, No. 10, pages 34-48, October 1, 1991
	Dijkstra, "Self-stabilizing Systems in Spite of Distributed Control," Communications of the ACM, Vol. 17, No. 11, pp. 643-644, November 1974
	Dolev et al., "On the Minimal Synchronism Needed for Distributed Consensus," Journal of the ACM, Vol. 34, No. 1, pp. 77-97, January 1987
	Dourish, "A Divergence-Based Model of Synchrony and Distribution in Collaborative Systems," Xerox Technical Report EPC-1194-102, pp. 1-10, 1994
	Drexler et al., "Incentive Engineering for Computational Resource Management," The Ecology of Computation, Elsevier Science Publishers B.V., pp. 231-66, 1988
	Droms, "RFC 1541 Dynamic Host Configuration Protocol," < http://www.cis.ohio-state.edu/htbin/rfc/rfc1541.html >, pages 1-33, October 1993
	Emms, "A Definition Of An Access Control Systems Language," Computer Standards And Interfaces, Vol. 6, No. 4, pp. 443-454, January 1, 1987
	Gelernter et al., "Parallel Programming in Linda," Yale University, pp. 1-21, January 1985
	Gelernter, "Generative Communication in Linda," ACM Transactions on Programming Languages and Systems, Vol. 7, No. 1, pp. 80-112, January 1985
	Gosling et al., "The Java (TM) Language Specification," Addison-Wesley, 1996
	Gray et al., "Leases: An Efficient Fault-Tolerant Mechanism for Distributed File Cache Consistency," ACM, pp. 202-210, 1989
	Howard et al., "Scale and Performance in a Distributed File System," ACM Transactions on Computer Systems, Vol. 6, No. 1, pp. 51-81, February 1988
	Hunt, "IDF: A Graphical Data Flow Programming Language for Image Processing and Computer Vision," Proceedings of the International Conference on Systems, Man, and Cybernetics, pp. 351-360, Los Angeles, Nov. 4-7, 1990
	IBM (TM) Technical Disclosure Bulletin, "Object Location Algorithm," Vol. 36, No. 09B, pp. 257-258, September 1993
	IBM (TM) Technical Disclosure Bulletin, "Retrieval of Qualified Variables Using Extendible Hashing," Vol. 36, No. 12, pp. 301-303, December 1993
	IBM, "Chapter 6 - Distributed SOM (DSOM)," SOMobjects Developer Toolkit Users Guide, Version 2.1, pages 6-1-6-90, October 1994

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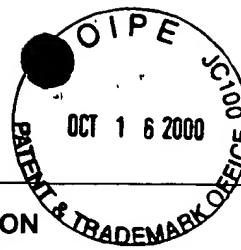
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OCT 19 2000
TC 2700 MAIL ROOM**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	Jones et al., "Garbage Collection: Algorithms for Automatic Dynamic Memory Management," pages 165-175, John Wiley & Sons, 1996
	Kambhatla et al., "Recovery with Limited Replay: Fault-Tolerant Processes in Linda," Oregon Graduate Institute, Technical Report CSIE 90-019, pp. 1-16, September 1990
	Kay et al., "An Overview of the Raleigh Object-Oriented Database System," ICL Technical Journal, Vol. 7, No. 4, pp. 780-798, Oxford, GB, November 1991
	Krasner, "The Smalltalk-80 Virtual Machine," BYTE Publications Inc., pp. 300-320, August 1991
	Lamport et al., "The Byzantine Generals Problem," ACM Transactions on Programming Languages and Systems, Vol. 4, No. 3, pp. 382-401, July 1982
	LINDA Database Search, pp. 1-68, July 20, 1995
	Lindholm et al., "The Java (TM) Virtual Machine Specification," Addison Wesley, 1996
	Liskov et al., "Distributed Object Management in Thor," International Workshop on Distributed Object Management, p. 12, 1992
	McDaniel, "An Analysis of a Mesa Instruction Set," Xerox Corporation, May 1982
	Mullender, "Distributed Systems," Second Edition, Addison-Wesley, 1993
	Mummert et al., "Long Term Distributed File Reference Tracing: Implementation and Experience," Carnegie Mellon University School of Computer Science, pp. 1-28, November 1994
	Orfali et al., "The Essential Distributed Objects Survival Guide," Chapter 11: Corba Commercial ORBs, pages 203-215, John Wiley & Sons, Inc., 1996
	Ousterhout et al., "The Sprite Network Operating System," Computer, IEEE, pp. 23-36, February 1988
	Pier, "A Retrospective on the Dorando, A High-Performance Personal Computer," IEEE Conference Proceedings, The 10th Annual International Symposium on Computer Architecture, 1983
	Pier, "A Retrospective on the Dorando, A High-Performance Personal Computer," Xerox Corporation, August 1983
	Pinakis, "Using Linda as the Basis of an Operating System Microkernel," University of Western Australia, Department of Computer Science, pp. 1-165, August 1993
	Sharrott et al., "ObjectMap: Integrating High Performance Resources into a Distributed Object-oriented Environment," ICODP, 1995

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	Thompson, "Regular Expression Search Algorithm," Communications of the ACM, Volume II, Number 6, p. 149 et seq., June 1968
	Waldo et al., "Events In An RPC Based Distributed System," Proceedings Of The 1995 USENIX Technical Conference, Proceedings USENIX Winter 1995 Technical Conference, New Orleans, LA, USA, 16-20, pages 131-142, January 1995
	Wilson et al., "Design of the Opportunistic Garbage Collector," Proceedings of the Object Oriented Programming Systems Languages And Applications Conference, New Orleans, Vol. 24, No. 10, October 1989
	Wu, "A Type System For An Object-Oriented Database System," Proceedings of the International Computer Software and Applications Conference (COMPSAC), Tokyo, Japan, pp. 333-338, Sept. 11-13, 1991

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